

## AMENDMENT TO THE CLAIMS

The claims in the below listing will replace all prior versions and listing of claims in the application.

1-12. (Cancelled).

13. (Currently Amended). ~~The A~~ chemical imaging system of claim 12 comprising a near infrared imaging detection system and a visible imagery system, wherein said near infrared imaging detection system comprises:

- a) an illumination source for illuminating an area of a sample using light in the near infrared radiation wavelength;
- b) a device for collecting a spectrum of near infrared wavelength radiation light transmitted, reflected, or emitted or scattered from said illuminated area of said sample and producing a collimated beam therefrom;
- c) a near infrared imaging spectrometer for selecting a near infrared radiation image images of said collimated beam; and
- d) a detector for collecting said filtered selected near infrared images[[.]] ; and
- e) an algorithm for processing the near infrared images collected by the detector and visible image data collected from said area of said sample using said visible imagery system.

14-26. (Cancelled).